

App. No. 10/762,449

Reply to Office action of December 14, 2004

Amendments to the Specification

Page 1, lines 3 to 6:

Related Applications

The present application is a divisional application of U.S. Application Serial No. 09/656,770. U.S. Patent No. 6,682,684, filed September 7, 2000, and is related to co-pending U.S. Patent Application Serial No. 09/657,134 [[ ]] {1100.1103101}, titled TOOL PATH PLANING PROCESS FOR COMPONENT BY LAYERED MANUFACTURE, filed September 7, 2000 ~~on date even herewith.~~

Page 1, lines 7 to 10:

Federal Sponsorship

This invention was made with Government support under [[ ]] contract number N00014-94-C-0115, entitled "          ". The Government has certain rights in the invention.

Page 18, lines 19 to 31:

With the slices completed, step 308 can be executed to form a tool path within the slice to form that layer of the object by filling in the solid portion of the slice by traversing the area with an additive technology tool head, for example, by using a Fused Deposition Machine. In the vertical cylinder example, a zigzag pattern may be created to lay down the bead between the inner and outer circles or poly-lines of the slice. Standard tool path generation techniques can be used, well known to those skilled in the art. An improved tool path generation method, discussed in co-pending U.S. Patent Application Serial No. [[ ]] 09/657,134, entitled TOOL PATH PLANING PROCESS FOR COMPONENT BY LAYERED MANUFACTURE {1100.1103101}, herein incorporated by reference, can also be used in

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conjunction with the present invention. Step 308 can be executed before and/or after the generation of additional layers created to improve the surface properties or provide support for the deposition of the main material layer.